

Non-Technical Descriptions

Faulkner County, Arkansas

Only those map units that have entries for the selected non-technical description categories are included in this report.

Map Unit: 1 - Acadia silt loam

Description Category: AGR

This soil is moderately suited to cultivated crops, and pasture and hayland. Wetness commonly delays farming operations several days after a rain and surface drains are needed. Wetness may also limit grazing during the winter and early spring on areas which are in pasture. Suitable crops include soybeans and grain sorghum. Winter small grains may also be grown on areas with adequate surface drainage. Adapted pasure plants include bermudagrass and tall fescue.

Map Unit: 2 - Amy soils, frequently flooded

Description Category: AGR

This soil is poorly suited to cultivated crops because of frequent flooding. Crops that require a short growing season, such as soybeans, can be grown but flooding is likely to damage the crop in some years. Field drains may be needed to prevent ponding of water during the growing season. This soil is moderately suited to pasture and hayland. Adapted pasture plants include bermudagrass and tall fescue. Seasonal wetness and flooding are the main limitations for these uses.

Map Unit: 3 - Enders gravelly fine sandy loam, 3 to 8 percent slopes

Description Category: AGR

These soils are poorly suited for cultivated crops, and moderately suited for pasture and hay. Runoff is rapid and erosion is a very severe hazard if cultivated crops are grown. Conservation practices need to be intensified as slope length and gradient increase. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 4 - Enders gravelly fine sandy loam, 8 to 12 percent slopes

Description Category: AGR

These soils are poorly suited for cultivated crops, and moderately suited for pasture and hay. Runoff is rapid and erosion is a very severe hazard if cultivated crops are grown. Conservation practices need to be intensified as slope length and gradient increase. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 5 - Enders gravelly fine sandy loam, 12 to 45 percent slopes

Description Category: AGR

These soils are poorly suited for pasture and are unsuited for cultivated crops. Slope and surface stones restrict the use of most farm equipment. Where pasture is established, plants include tall fescue and native grasses. Some areas can be used for native grass pasture if brush is controlled; however, controlled grazing and fire protection are needed to maintain soil cover and prevent excessive

Map Unit: 6 - Gallion silt loam

Non-Technical Descriptions - Continued

Faulkner County, Arkansas

Map Unit: 6 - Gallion silt loam

Description Category: AGR

This soil is well suited to cultivated crops. Suitable crops include cotton, grain sorghum, soybeans, and winter small grains. This soil responds well to fertilization, and tilling is easy to maintain by returning crop residue to the soil. This soil is well suited for pasture and hayland. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for cropland use or pasture and hayland.

Map Unit: 7 - Gallion silt loam, occasionally flooded

Description Category: AGR

This soil is well suited to pasture and hayland, and cultivated crops. Occasional flooding during the late fall, winter, and early spring is a moderate hazard. Suitable crops include corn, soybeans, grain sorghum, and truck crops. Adapted pasture plants include bermudagrass, bahiagrass, tall fescue and white clover.

Map Unit: 8 - Leadvale silt loam, 1 to 3 percent slopes

Description Category: AGR

These soils are well suited for cultivated crops, and pasture and hay. Suitable crops include corn, soybeans, small grain and truck crops. Erosion is a moderate hazard if cultivated crops are grown. Practices such as conservation tillage, contour farming, and the use of cover crops help reduce runoff and control erosion. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 9 - Leadvale silt loam, 3 to 8 percent slopes

Description Category: AGR

These soils are moderately suited for cultivated crops, and well suited for pasture and hayland. Runoff is medium to rapid and erosion is a severe hazard if cultivated crops are grown. Practices which help reduce runoff and control erosion are recommended. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 10 - Linker fine sandy loam, 1 to 3 percent slopes

Description Category: AGR

These soils are well suited for cultivated crops, and pasture and hay. Suitable crops include corn, soybeans, small grain and truck crops. Erosion is a moderate hazard if cultivated crops are grown. Practices such as conservation tillage, contour farming, and the use of cover crops help reduce runoff and control erosion. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 11 - Linker fine sandy loam, 3 to 8 percent slopes

Non-Technical Descriptions - Continued

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Map Unit: 11 - Linker fine sandy loam, 3 to 8 percent slopes

Description Category: AGR

These soils are moderately suited for cultivated crops, and well suited for pasture and hayland. Runoff is medium to rapid and erosion is a severe hazard if cultivated crops are grown. Practices which help reduce runoff and control erosion are recommended. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 12 - Linker fine sandy loam, 8 to 12 percent slopes

Description Category: AGR

These soils are poorly suited for cultivated crops, and moderately suited for pasture and hay. Runoff is rapid and erosion is a very severe hazard if cultivated crops are grown. Conservation practices need to be intensified as slope length and gradient increase. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 13 - Linker-mountainburg association, 8 to 12 percent slopes

Description Category: AGR

These soils are poorly suited for cultivated crops, and moderately suited for pasture and hay. Runoff is rapid and erosion is a very severe hazard if cultivated crops are grown. Conservation practices need to be intensified as slope length and gradient increase. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 14 - Linker-mountainburg association, 12 to 40 percent slopes

Description Category: AGR

These soils are severely limited for pasture and are unsuited for cultivated crops. Slope and surface stones severely restrict the use of farm equipment. Where pasture is established, plants include tall fescue and native grasses. Some areas can be used for native grass pasture if brush is controlled; however, controlled grazing and fire protection are needed to maintain soil cover and prevent excessive

Map Unit: 15 - Mckamie silty clay loam, 3 to 8 percent slopes, severely eroded

Description Category: AGR

These soils are generally unsuited for cultivated crops and moderately suited for pasture and hayland. Runoff is rapid and erosion is a very severe hazard in areas without adequate cover. Adapted pasture plants include common and improved bermudagrass, tall fescue, and native grasses. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 16 - Moreland silty clay

Non-Technical Descriptions - Continued

Faulkner County, Arkansas

Map Unit: 16 - Moreland silty clay

Description Category: AGR

This soil is moderately suited to cultivated crops. Rice, grain sorghum, and soybeans are the main crops grown on this soil. Excess surface water is a severe limitation and surface drainage will be needed in most areas. This soil is moderately suited for pasture and hayland. Wetness during winter and early spring is the main limitation to these uses. Adapted pasture plants include common bermudagrass, improved bermudagrasses, bahiagrass and tall fescue.

Map Unit: 17 - Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes

Description Category: AGR

This soil is severely limited for cultivated crops and poorly suited to improved pasture. This soil is droughty due to shallow depth to bedrock and high content of coarse fragments. Erosion is a severe hazard if the native vegetation is disturbed. Where pasture is established, plants include common bermudagrass, tall fescue and native grasses. Controlled grazing and fire protection are needed to maintain soil cover and prevent excessive erosion.

Map Unit: 18 - Mountainburg gravelly fine sandy loam, 8 to 12 percent slopes

Description Category: AGR

This soil is severely limited for cultivated crops and poorly suited to improved pasture. This soil is droughty due to shallow depth to bedrock and high content of coarse fragments. Erosion is a severe hazard if the native vegetation is disturbed. Where pasture is established, plants include common bermudagrass, tall fescue and native grasses. Controlled grazing and fire protection are needed to maintain soil cover and prevent excessive erosion.

Map Unit: 19 - Mountainburg very stony fine sandy loam, 8 to 12 percent slopes

Description Category: AGR

This soil is not suited for cultivated crops or improved pasture. Surface stones and steep slopes severely restrict the use of farm equipment. Erosion is a very severe hazard if the native vegetation is disturbed. Shallow depth to bedrock and high content of coarse fragments cause this soil to be droughty. This soil is best suited for native pasture and wildlife habitat.

Map Unit: 20 - Mountainburg very stony fine sandy loam, 12 to 40 percent slopes

Description Category: AGR

This soil is not suited for cultivated crops or improved pasture. Surface stones and steep slopes severely restrict the use of farm equipment. Erosion is a very severe hazard if the native vegetation is disturbed. Shallow depth to bedrock and high content of coarse fragments cause this soil to be droughty. This soil is best suited for native pasture and wildlife habitat.

Map Unit: 21 - Muskogee silt loam, 1 to 3 percent slopes

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Map Unit: 21 - Muskogee silt loam, 1 to 3 percent slopes

Description Category: AGR

These soils are well suited for cultivated crops, and pasture and hay. Suitable crops include corn, soybeans, small grain and truck crops. Erosion is a moderate hazard if cultivated crops are grown. Practices such as conservation tillage, contour farming, and the use of cover crops help reduce runoff and control erosion. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 22 - Muskogee silty clay loam, 3 to 8 percent slopes, severely eroded

Description Category: AGR

These soils are generally unsuited for cultivated crops and moderately suited for pasture and hayland. Runoff is rapid and erosion is a very severe hazard in areas without adequate cover. Adapted pasture plants include common and improved bermudagrass, tall fescue, and native grasses. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 23 - Ouachita silt loam, occasionally flooded

Description Category: AGR

This soil is well suited to pasture and hayland, and cultivated crops. Occasional flooding during the late fall, winter, and early spring is a moderate hazard. Suitable crops include corn, soybeans, grain sorghum, and truck crops. Adapted pasture plants include bermudagrass, bahiagrass, tall fescue and white clover.

Map Unit: 24 - Perry clay, occasionally flooded

Description Category: AGR

This soil is moderately suited to cultivated crops. Rice, grain sorghum, and soybeans are the main crops grown on this soil. Excess surface water is a severe limitation and surface drainage will be needed in most areas. This soil is moderately suited for pasture and hayland. Wetness during winter and early spring is the main limitation to these uses. Adapted pasture plants include common bermudagrass, improved bermudagrasses, bahiagrass and tall fescue.

Map Unit: 25 - Pickwick silt loam, 1 to 3 percent slopes

Description Category: AGR

These soils are well suited for cultivated crops, and pasture and hay. Suitable crops include corn, soybeans, small grain and truck crops. Erosion is a moderate hazard if cultivated crops are grown. Practices such as conservation tillage, contour farming, and the use of cover crops help reduce runoff and control erosion. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 26 - Pickwick silt loam, 3 to 8 percent slopes, eroded

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Map Unit: 26 - Pickwick silt loam, 3 to 8 percent slopes, eroded

Description Category: AGR

These soils are moderately suited for cultivated crops, and well suited for pasture and hayland. Runoff is medium to rapid and erosion is a severe hazard if cultivated crops are grown. Practices which help reduce runoff and control erosion are recommended. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 27 - Roxana very fine sandy loam

Description Category: AGR

This soil is well suited to cultivated crops. Suitable crops include cotton, grain sorghum, soybeans, and winter small grains. This soil responds well to fertilization, and tith is easy to maintain by returning crop residue to the soil. This soil is well suited for pasture and hayland. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for cropland use or pasture and hayland.

Map Unit: 28 - Roxana very fine sandy loam, occasionally flooded

Description Category: AGR

This soil is well suited to pasture and hayland, and cultivated crops. Occasional flooding during the late fall, winter, and early spring is a moderate hazard. Suitable crops include corn, soybeans, grain sorghum, and truck crops. Adapted pasture plants include bermudagrass, bahiagrass, tall fescue and white clover.

Map Unit: 29 - Sallisaw gravelly sandy loam, 3 to 8 percent slopes

Description Category: AGR

These soils are poorly suited for cultivated crops, and moderately suited for pasture and hay. Runoff is rapid and erosion is a very severe hazard if cultivated crops are grown. Conservation practices need to be intensified as slope length and gradient increase. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. Good management practices include controlled grazing, proper stocking, and weed and brush control.

Map Unit: 30 - Sallisaw gravelly sandy loam, 8 to 12 percent slopes

Description Category: AGR

These soils are poorly suited for pasture and are unsuited for cultivated crops. Slope and surface stones restrict the use of most farm equipment. Where pasture is established, plants include tall fescue and native grasses. Some areas can be used for native grass pasture if brush is controlled; however, controlled grazing and fire protection are needed to maintain soil cover and prevent excessive

Map Unit: 31 - Spadra fine sandy loam, 1 to 3 percent slopes

Non-Technical Descriptions - Continued

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Map Unit: 31 - Spadra fine sandy loam, 1 to 3 percent slopes

Description Category: AGR

This soil is well suited for cultivated crops. Suitable crops include corn, cotton, grain sorghum, soybeans, and winter small grains. Erosion is a moderate hazard if cultivated crops are grown. Practices which help reduce runoff and control erosion are recommended. This soil is well suited for pasture and hayland. Adapted pasture plants include common bermudagrass, improved bermudagrass, and tall fescue. There are no significant limitations for pasture.

Map Unit: 32 - Taft silt loam, 0 to 2 percent slopes

Description Category: AGR

This soil is moderately suited to cultivated crops, and pasture and hayland. Wetness commonly delays farming operations several days after a rain and surface drains are needed. Wetness may also limit grazing during the winter and early spring on areas which are in pasture. Suitable crops include soybeans and grain sorghum. Winter small grains may also be grown on areas with adequate surface drainage. Adapted pasure plants include bermudagrass and tall fescue.

